From glowbugs@theporch.com Sun Oct 27 10:18:19 1996
Return-Path: <glowbugs@theporch.com>
Received: from uro (localhost.theporch.com [127.0.0.1]) by uro.theporch.com
(8.8.2/AUX-3.1.1) with SMTP id KAA16789; Sun, 27 Oct 1996 10:13:02 -0600 (CST)
Date: Sun, 27 Oct 1996 10:13:02 -0600 (CST)
Message-Id: <199610271613.KAA16789@uro.theporch.com>
Errors-To: conard@tntech.campus.mci.net
Reply-To: glowbugs@theporch.com
Originator: glowbugs@theporch.com
Sender: glowbugs@theporch.com
Precedence: bulk
From: glowbugs@theporch.com
To: Multiple recipients of list <glowbugs@theporch.com>
Subject: GLOWBUGS digest 333
X-Listprocessor-Version: 6.0c -- ListProcessor by Anastasios Kotsikonas
X-Comment: Please send list server requests to listproc@theporch.com
Status: O

GLOWBUGS Digest 333

Topics covered in this issue include:

1) Tube Bank
   by davemed@ix.netcom.com
2) Grounded Grid 807 and 1625 Tubes
   by "James P. Rybak" <jrybak@mesa5.Mesa.Colorado.EDU>
3) Re: Grounded Grid 807 and 1625 Tubes
   by "Robert M. Bratcher Jr." <bratcher@worldnet.att.net>
4) Homebrew UX-201A regen grid leak value?
   by Andy Wallace <wallace@world.std.com>
5) Re: Tube Bank
   by "Brian Carling" <bry@mnsinc.com>
6) emergency output transformer
   by Bob Roehrig <broehrig@admin.aurora.edu>
7) Manual for Knight Kit "Li'l Hopper"?
   by "James P. Rybak" <jrybak@mesa5.Mesa.Colorado.EDU>
8) Contributions from list users
   by kellymed@tmxbris.mhs.oz.au (Murray Kelly)

Date: Sat, 26 Oct 1996 09:32:43 -0700
From: davemed@ix.netcom.com
To: glowbugs@theporch.com
Subject: Tube Bank
Message-ID: <19961126930303633 4@ix.netcom.com>

I have noted some suggestions re a tube bank. I ran such a bank for Airforce

MARS back a few years and it was a useful activity. What is the actual idea here? I would probably be willing to take this on when I understand what it is the membership expects.
73 de Dave KI6QE/7
Tucson AZ

Date: Sat, 26 Oct 1996 16:13:36 -0600 (MDT)
From: "James P. Rybak" <jrybak@mesa5.Mesa.Colorado.EDU>
To: Glowbugs <glowbugs@theporch.com>
Subject: Grounded Grid 807 and 1625 Tubes
Message-ID: <Pine.SV4.3.91.961026160703.24349A-100000@mesa5.mesa.colorado.edu>

It seems that recently some people have been discussing grounded grid operation of 807 and 1625 tubes. Part of the discussion dealt with the need to disconnect the supressor grid from the cathode in the 1625s and that in some varieties, that is impossible.

Could someone please forward to me the whole discussion including where some g-g circuits for these tubes have been published and the discussion about which 1625 tubes can be used for that class of operation and how to disconnect the supressor from the cathode?

Thanks.

Jim Rybak W0KSD

Date: Sat, 26 Oct 1996 18:18:02 -0500
From: "Robert M. Bratcher Jr." <bratcher@worldnet.att.net>
To: glowbugs@theporch.com
Subject: Re: Grounded Grid 807 and 1625 Tubes
Message-ID: <1.5.4.32.19961026231802.0069b220@postoffice.worldnet.att.net>

At 10:14 PM 10/26/96 +0000, you wrote:
>
>It seems that recently some people have been discussing grounded grid
>operation of 807 and 1625 tubes. Part of the discussion dealt with the
>need to disconnect the supressor grid from the cathode in the 1625s and
>that in some varieties, that is impossible.
>
>Could someone please forward to me the whole discussion including where
>some g-g circuits for these tubes have been published and the discussion

>about which 1625 tubes can be used for that class of operation and how to
>disconnect the supressor from the cathode?
>
>Thanks.
>
>Jim Rybak   W0KSD
>

I would like a copy of the discussion E-mailed to me also! This information might be useful someday.

Robert M. Bratcher Jr.
E-mail to:
bratcher@worldnet.att.net
Record collector, 8mm, super 8, 16 and 35mm Film collector.
I like old radio's too.
Collins, Hallicrafters, National & Hammurland are my Favorites!

Date: Sat, 26 Oct 1996 22:02:50 -0400
From: Andy Wallace <wallace@world.std.com>
To: glowbugs@theporch.com
Subject: Homebrew UX-201A regen grid leak value?
Message-ID: <199610270202.AA13489@world.std.com>

Hi, glow-ites!

Got an interesting looking homebrew regen set today at the Nashua NH antique radio flea. Nice construction! Bakelite panel, stud tap switches, two variometers (one homemade), and even the filament rheostat is high-quality (the disc rotates and the wiper stays stationary).

However! Outside of resoldering one of the variometer wires, the grid leak is missing. Now, I am not familiar with grid leaks, being interested in ham rigs for the most part. However what I see is an empty grid leak holder with a lead running to the grid pin of the UX-201A tube. I know what they look like...but what should I use here? The "holder" may have an integrated cap and the "leak" plug-in may just be a resistor. Is that usually the case, or is the leak actually a cap and resistor in parallel? I can barely see the word "condenser" on the underside of the holder. Until I can get the set out of the case I will not make assumptions..... Sure looks like it is just a phenolic base and clips to me.

So I need suggestions for the following: what is the proper filament and plate voltage for a UX-201A tube? And what value resistor (if that's

all I need) should I use for the leak, 'til I can scrounge up a real McCoy?

This thing has tapped coils so maybe I can get it on the 80m GB
freq sometime. :-)

73,
--Andy
wallace@world.std.com

Date: Sat, 26 Oct 1996 20:33:04 +0000
From: "Brian Carling" <bry@mnsinc.com>
To: davemed@ix.netcom.com, glowbugs@theporch.com
Subject: Re: Tube Bank
Message-ID: <199610270330.XAA06739@user2.mnsinc.com>

HEY! It's a reply from AF4K!
On 26 Oct 96, davemed@ix.netcom.com wrote:

> I have noted some suggestions re a tube bank. I ran such a bank for
> Airforce MARS back a few years and it was a useful activity. What is
> the actual idea here? I would probably be willing to take this on
> when I understand what it is the membership expects. 73 de Dave
> KI6QE/7 Tucson AZ

Well, Dave, it is really up to whomever volunteers to DO this.
My SUGGESTION would be that you initially require folks to DEPOSIT a
couple of tubes before they can make a withdrawal, and that they
should donate tubes that are SOMEHOW usable to radio amateurs, not
some ODD-ball unusual tube, like a 6ZH9 or something!

They would have to pay only the shipping, so that there is no expense
involved to you, and you would need to advise them the likely cost of
such shipping.

You can make up the rest as you go along and determine what the needs
and requirememts should be.

I don't think you need to limit the availability to a particular
group, like BA, GLOWBUGS or r.r.a.b. - but rather let it be open to
any tube enthusiast that needs tubes or has them to donate.

My guess is that you will get more donated than you need!
I think it would be great if we could operate the tube bank in
several different major population centers so that a large number of
guys could just stop by at certain times when they need a bottle or

have one to give away!

I bet it would be VERY popular!

Maryland Radio Center certainly proved that down here in the DC area
before they gave it up! It depends on someone being honest and
operating in integrity, but tube-type hams are generally known for
that.

You would need to publicize it and tell people where to send to, and
how much to expect to pay for shipping, how to get in touch with you
etc. Would be great if you could link up with a few other guys doing
the same.

Bry

Bry
73 from Radio AF4K / G3XLQ in Gaithersburg, MD USA
bry@mnsinc.com
*** See the great ham radio resources at:
http://www.mnsinc.com/bry/

Date: Sun, 27 Oct 1996 00:29:57 -0500 (CDT)
From: Bob Roehrig <broehrig@admin.aurora.edu>
To: Boatanchors <boatanchors@theporch.com>, glowbugs <glowbugs@theporch.com>
Subject: emergency output transformer
Message-ID: <Pine.ULT.3.95.961027002518.15462D-100000@admin.aurora.edu>

While trying to get some sound out of the old HRO I obtained today,
I was in need of an audio output transformer. The older HRO's
dont have one built in - they bring the B+ and plate leads out to
a terminal strip and you provide your own transformer.

Well, I didn't have anything that was obviously the right thing
(7000 ohms to either 600 or 8 ohms). So I took some misc transformers
and tried to find something with the right turns ratio.

I ended up using a Stancor 24 watt line to voice coil unit. By using
the lowest wattage (1.5) for the primary, I got an 8 ohm output
by using the 8 and 16 ohm secondary taps. Works just great.

E-mail broehrig@admin.aurora.edu 73 de Bob, K9EUI
CIS: Data / Telecom Aurora University, Aurora, IL

Date: Sat, 26 Oct 1996 23:26:25 -0600 (MDT)
From: "James P. Rybak" <jrybak@mesa5.Mesa.Colorado.EDU>
To: Glowbugs <glowbugs@theporch.com>
Subject: Manual for Knight Kit "Li'l Hopper"?
Message-ID: <Pine.SV4.3.91.961026232205.4804B-100000@mesa5.mesa.colorado.edu>

I want to build a replica of the Knight Kit "Li'l Hopper." Can anyone provide me with a photocopy of the complete assembly/instruction manual?

The "Li'l Hopper" was a portable (battery powered) version of the Knight Kit "Ocean Hopper." It used two 1S5 tubes.

Of course, I'll pay for photocopying and postage costs.

Thanks.

Jim Rybak W0KSD

Date: Sun, 27 Oct 96 16:41:47 AES
From: kellymed@tmxbris.mhs.oz.au (Murray Kelly)
To: glowbugs@theporch.com
Subject: Contributions from list users
Message-ID: <226@tmxbris.mhs.oz.au>

Greetings to the Glowbuggers. Conard has asked for some input from the 'sandbaggers' on the list and here is my 2c worth.

My name is Murray Kelly vk4aok, anesthesiologist, Brisbane Australia. I really enjoyed some of the threads over the last 18 mo. or so that I have been getting this list. Of particular interest has been the regenerative receiver thread and am accumulating bits from here and there for one. Unfortunately I am an ideas man - long on thinking and short on action!

The stuff from Bob Keys is invaluable - I have fiddled with a friend's Ten-Tec regen and was able to point out that it probably had too much antenna and he shoulf recheck or redo the regen control.

Following on from that it occurred to me that the VLF beacons (I don't think there are any here) could, perhaps, be received with a regen set using a line coil (adjustable!) from a TV instead of going to all that trouble to vary the capacitance for tuning.

Some time ago there were 2 threads which I watched with interest too. The one on transformers for linear supplies (Kv stuff) and it was mooted that old microwave oven transformers might work. I read an article in Electronics Australia some years ago on doing maintenance on microwaves and went thru the basics first. It said that the transformers were built with an air gap to give a more constant output voltage and might not be suitable for such a service as amateur HT supplies.

However, in a subsequent thread it was stated that a good choke NEEDED an air gap. Maybe the old microwave transformer might be better suited as a good big choke for a supply? Just a thought.

I have been listening to the radio (wireless) since I was a child. My Dad has always had shortwave sets for as long as I can remember. In the early 30's he and his brother got sick of the converters they were using for this short wave stuff and went out and bought an Atwater-Kent - for the princley sum of 200 pounds ZL. To put that in perspective it was approx $1000 US. They could have bought a house.

They liked to listen on broadcast (MW) to the big bands direct from the Rose Bowl. Reception was quiet. They could tell when the last tram (trolley car) left the terminus at night and heard the crescendo of static as it passed by, returning to the shed for the night.

When he heard of Pearl Harbour, he went strait out and bought the last RCA set in the store figuring correctly that there wouldn't be any more for quite a few years. I can remember hearing KFI (San Francisco) on the MW on that set. He has the qsl cards to prove it, still. Then he got a Philips Hilversum in 1956. I was visiting home in Nelson NZ in 1975 and we picked up KPOI (or KPIO?) in Honolulu on the MW - again with a random wire across the yard. The modern solid state rigs just don't hack it on the MW bands.

I took up ham radio soon after that. I had read the RCA valve (tube) manuals that came with his radio. Three times I got to the second or third grid, my eyes glazed over, and I put the book away for later! He used to test for suspect tubes with a screwdriver. Tapping here and there for micophonics and he would short the caps to the shieds just to chect the 5Y3 was still OK! - Try that on a silicon rectifier.

I didn't see any reply to Dirk PA3GNR's request for info on some tubes he'd picked up. I have a listing on the KTW tubes Dirk. They are like EF39 tubes with abt. 2x the gain. Pin-outs and voltages the same.

Thanks to everyone who contributes regularly. Us 'sandbaggers' do enjoy it despite the lack of input.

Cheers from Down Under.

****
*   Murray Kelly vk4aok   mkelly@tmxbris.mhs.oz.au   *
*   29 Molonga Ter. / Graceville/ QLD. 4075/ Australia   *
*   ph/fax Intl+ 61 7 3379 3307 mobile 018 071 355   *
****

End of GLOWBUGS Digest 333
****